

## SPECIAL PAPERS ON GENERAL METEOROLOGY.

## RECENT ADDITIONS TO THE WEATHER BUREAU LIBRARY.

C. FITZHUGH TALMAN, Librarian.

The following have been selected from among the titles of works recently received as representing those most likely to be useful to Weather Bureau officials in their meteorological work and studies. Anonymous publications are indicated by a —.

**Alsace-Lorraine. Meteorologischer Landesdienst.**

Deutsches meteorologisches Jahrbuch für 1905. Elsass-Lothringen, Strassburg. 1911. viii, 59 p. f°.

**Bavaria. K. bayer. hydrotechnisches Bureau.**

Jahrbuch, 1910, Heft 2. München. [1911.] var. pag. f°. Die Schneedecke in Bayern, 1908/09-1910/11. München. 1911. xvi, 288 p. f°.

**[Bolton, Reginald Pelham.]**

Address, American society of heating and ventilating engineers, semiannual meeting, Chicago, 1911. [n. t. p. 1911.] 11 p. 8°. [Discusses the effect of artificial heating on the climate of New York City.]

**British Guiana. Botanic gardens.**

Report, 1910-11. Georgetown. 1911. 23 p. f°.

**Bührer, C.**

Notice sur le climat du Grand St. Bernard. Sion. 1911. 19 p. 8°. (Reprint: Bull. Murithienne, fasc. 36.)

**Chile. Instituto central meteorológico y geofísico.**

Beobachtungen in der Aguila-Mine 5200 m. (Kordillere von Quimza Cruz, Bolivien) vom 26. April bis 12. September 1909; von W. Knoche. [Spanish and German.] Santiago de Chile. 1911. xiii, 243 p. f°. (Publicaciones. No. 1.)

Observaciones de provincias, 1910. Santiago de Chile. 1911. 20 p. f°. (Publicaciones. No. 2.)

**Denmark. Meteorologiske Institut.**

Meteorologisk Aarbog, 1910. pt. 1. Kjøbenhavn. 1911. 148 p. f°.

**Federación agraria de Levante. Servicio especial meteorológico.**

Indicación de las categorías y regímenes-tipo del tiempo con la explicación de sus respectivos caracteres generales y de sus efectos en la región de Levante. Valencia. 1911. sheet 100 x 52½ cm.

**Hinselmann, Emil J. N. Brandt.**

Mond und Wetter im Jahre 1912. Hannover. 1912. 71 p. 12°.

**India. Meteorological department.**

Report on the administration . . . , 1910/11. [Simla. 1911.] 22 p. f°.

**International meteorological committee.**

Internationaler meteorologischer Kodex . . . bearbeitet von G. Hellmann und H. H. Hildebrandsson. Deutsche Ausgabe besorgt von dem K. preuss. met. Institut. 2d ed. Berlin. 1911. x, 103 p. 4°. (K. preuss. met. Institut. Veröffentl. 242.)

**Jackson, W. E. W.**

Electric potential and conductivity of the air at Winter Harbour, Melville Island, lat. N. 74° 47', long. W. 110° 48'. Ottawa. 1911. 80 p. (Trans. Roy. soc. of Canada, v. 4, sect. 3, 1910, p. 71-76.)

**Johansson, Oscar Vilhelm.**

Aus G. G. Hällströms hinterlassenen Papieren. Helsingfors. 1911. 2 pts. 8°. (Bidrag till känded. af Finlands Natur och Folk. H. 72, No. 2, 4.) [Phenological observations and fragments of meteorological studies.]

**Johansson, Oscar Vilhelm.**

Några studier över molnigheten i Nordeuropa. Helsingfors. 1911. 119 p. map. 8°. (Bidrag till kändedom af Finlands Natur och Folk. H. 72, no. 5.) [Studies in cloudiness of northern Europe.]

**Johansson, Oscar Vilhelm & others.**

Météorologie [de Finlande]. [Text.] [Helsingfors. 1911.] n. t. p. 62 p. 8°. (Reprint: Soc. de géogr. de Finlande. Atlas de Finlande, 1910.)

**König, H.**

Mittägige Ortschelligkeit in Hamburg. Eine photometrische Studie. n. t. p. 78-94 p. plate. 8°. (Reprint: Arch. Ver. d. Fr. d. Naturgesch. in Mecklinburg. Bd. 65. 1911.)

**Le Cadet, G[eorges].**

Résultats des observations, météorologiques faites à l'Observatoire central de l'Indochine.—Le climat du delta du Tonkin. Hanoi. 1911. 20 p. 4°. (Reprint: Bull. économique de l'Indochine, No. 92, Sept.-Oct., 1911.)

**Lisbon. Observatorio do Infante D. Luiz.**

Annaes, 1908. v. 46. Lisboa. 1911. 127 p. f°. Annaes, 1909. v. 47. Lisboa. 1911. 131 p. f°.

**[Mellish, Henry.]**

The weather of 1911 at Hodsock priory, Worksop. n. p. [1912.] 8 p. 8°.

**Noorduyn, W.**

Beginselen der maritieme meteorologie en oceanografie. 2d ed. Gorinchem. 1911. [136] p. 8°. map.

Note sur le climat de N. D. des Pins [mission], (1900-1910). Chang-hai. 1911. 23 p. 16°.

**Rolley, P., & Visme, M. de.**

La Macédoine et l'Epire (vilayets de Monastir et de Janina). Étude de géographie physique et d'agrologie. Paris. 1911. (Annales de l'instit. nat. agronom. 2e sér. t. 10, fasc. 2, p. 375-447.) [Climatology on p. 412-422, giving normals for Corfu, Durazzo, Valona, Patras, Janina, and Monastir.]

**Rubel, Otto.**

Das Klima von Baden-Baden in den Jahren 1891-1905 bezw. 1871-1905. Strassburg. 1911. 170 p. 8°.

**Shaw, William Napier.**

Forecasting weather. [London.] 1911. xxvii, 380 p. 8°.

**Sweden. Statens meteorologiska centralanstalt.**

Meteorologiska iakttagelser i Sverige, 1910. Bd. 52. Uppsala, etc. [1911.] x, 157 p. f°.

**Stupart, R. F.**

The chinook in southern Alberta and temperature inversions at Sulphur Mountain, Banff. Ottawa. 1911. 8°. (Trans. R. soc. Canada, v. 4, sect. 3, 1910, pp. 51-2.)

**Turin. Università. Osservatorio.**

Osservazioni meteorologiche, 1910. Torino. 1911. 55 p. 8°.

**Unruh, J. K. Franz.**

Beiträge zur Methodik luftelektrischer Messungen. Berlin. 1911. 88 p. 8°. (Diss.—Kiel.)

**Western Australia. Government astronomer.**

Meteorological observations made at the Perth observatory and other places in western Australia, 1907. Perth. 1910. 144 p. map. f°.

## RECENT PAPERS BEARING ON METEOROLOGY.

C. FITZHUGH TALMAN, Librarian.

The subjoined titles have been selected from the contents of the periodicals and serials recently received in the Library of the Weather Bureau. The titles selected are of papers and other communications bearing on meteorology and other cognate branches of science. This is not a complete index of the meteorological contents of all the journals from which it has been compiled. It shows only the articles that appear to the compiler likely to be of particular interest in connection with the work of the Weather Bureau. Unsigned articles are indicated by a —.

**Aircraft. New York. v. 2. February, 1912.**

Starrett, D. W. Simple explanation of air holes. p. 396.

**American climatological association. Transactions. Philadelphia. v. 27. 1911.**

Anders, James M. The climatic and hygienic influences of forest growth. p. 8-27.

**American forestry. Washington. v. 18. February, 1912.**

Graves, Henry S. The present situation in forestry. p. 95-104.

[Brief discussion of forests and streamflow.]

**Country gentleman. Philadelphia. v. 77. January 27, 1912.**

Hailstorm insurance. p. 10.

**Journal of geography. Madison. v. 10. January, 1912.**

Ward, Robert DeC. The meteorological interest of a voyage to Brazil. p. 152-159.

*Journal of geography*—Continued.

- Brown, Robert M. Elementary weather observations [i. e., in schools]. p. 159-162.
- Olmstead, A. T. Climate and history. p. 163-168.
- Meteorological society of Japan. Journal. Tokyo. 31st year. January 1912.*
- Tsuiji, Y. On the thermal diffusivity and the water content of the soil. p. 1-13. [English.]
- Nature. London. v. 88. February 1, 1912.*
- Chadwick, H. C. The radiating power of air. p. 448.
- Popular science monthly. New York. v. 80. February, 1912.*
- Ward, Robert DeC. The value of non-instrumental weather observations. p. 129-137.
- Science. New York. v. 34. January 5, 1912.*
- Very, Frank W. Devastation of forests in the White mountains, p. 31-35.
- Scientific American. New York. v. 106. 1912.*
- Snow garlands. p. 91. [Illustrated.] [Jan. 27.]
- Lynne, Frances. The smudge pot and its work. A new invention to prevent the destruction of fruit by frost. p. 135; 140. [Feb. 10.]
- Talman, Charles Fitzhugh. The "great storm" of 1703. An historic meteorological event. p. 155. [Feb. 17.]
- Scottish meteorological society. Journal. Edinburgh. 3 ser. v. 15. 1910.*
- Watt, Andrew. The mean annual rainfall of Scotland. 1874-1910. p. 273-294.
- Aitken, John. Radiation temperatures. p. 295-303.
- Watt, Andrew. The early days of the Society. p. 304-312.
- Mossman, R[obert] C. The climate of Chile. p. 313-346.
- Symons's meteorological magazine. London. v. 46. January, 1912.*
- Mossman, R[obert] C. Abnormal weather in South America during 1911. p. 238-241. [Unusually cold weather in S. America coincident with the hot weather of 1911 in Europe and the United States.]
- Cornelius Harm Wind. p. 281. [Obituary.]
- Barnes, Charles A. Albert. Climatology of Southern Nigeria. p. 215-217.
- Bureau central météorologique de France. Bulletin mensuel. Paris. Octobre 1911.*
- Les alizés pendant la saison chaude de 1911. p. 80.
- Cosmos. Paris. 81 année. 1 février 1912.*
- La méthode de prévision du temps de Guilbert devant l'Académie des sciences d'Amsterdam. p. 114.
- Géographie. Paris. tome 24. 1911.*
- Mougin, Paul. La neige en Savoie. p. 81-102. [15 août.]
- Hubert, Henry. Le mécanisme des orages au Soudan. p. 233-242. [15 oct.]
- Journal de physique. Paris. 5 sér. tome 1. Décembre 1911.*
- Turpain, Albert. Appareils enregistreurs et préviseurs des orages. p. 1005-1015.
- Société météorologique de France. Annuaire. Paris. 59 annéc. Septembre-Octobre 1911.*
- Chauveau, A. B[enjamin]. La condensation de la vapeur d'eau par détente. p. 261-294.
- Mascart, Jean. Antonin Nicolas Hélie Poincaré. p. 295-298.

*Société météorologique de France*—Continued.

- Barbé, Gabriel. L'été de 1911 en Europe. p. 299-301.
- Kaiserliche Akademie der Wissenschaften. Wien. 120. Band. Juni 1911.*
- Ficker, H[einrich] v. Das Fortschreiten der Erwärmungen (der Wärmewellen) in Russland und Nordasien. p. 745-836.
- Kielhauser, Ernst A. Der tägliche und jährliche Gang der Sonnenscheindauer in Triest. p. 837-849.
- Meteorologische Zeitschrift. Braunschweig. Band 29. Januar 1912.*
- Burchard, Oscar. Die durchschnittliche Passatrichtung auf den westlichen Kanaren. p. 1. [With photographs of trees distorted by the trade winds.]
- Braak, C[ornelius]. Die 3.5-jährige Barometerperiode. p. 1-7.
- Trabert, W[ilhelm]. Beobachten wir wirklich zu viel? p. 7-10.
- Fischer, Karl. G. Hellmann & G. v. Elsner. Meteorologische Untersuchungen über die Sommerhochwasser der Oder. p. 10-18.
- Mazelle, Eduard. Über den Sturm in der nördlichen Adria vom 15. Juni 1911. p. 18-25.
- H[ann], J[ulius]. Resultate der meteorologischen Beobachtungen zu Cuyaba (Matto Grosso) in den Jahren 1907, 1908, und 1909. p. 27-28.
- Praesent, Hans. Neuere klimatische Werte für Menorca und Ibiza. p. 28-29.
- Zum Klima von Babylon. p. 30-31.
- Rosenmüller, Martin. Schalenkreuz-Anemometer mit Moment-Nullstellung der Zeiger (D. R. G. M.). p. 31.
- Kassner, C[arl]. Vorschlag zur Verbesserung der englischen Thermometerhütte. p. 32.
- H[ann], J[ulius]. Zum Klima von Honolulu. p. 34.
- Physikalische Zeitschrift. Leipzig. 12. Jahrgang. 1911.*
- Bergwitz, Karl. Photoelektrische Messungen des Sonnenlichts im Ballon. p. 1111-1115. [1. Dez.]
- Berndt, Georg. Luftelektrische Beobachtungen in Argentinien. I. Monat Mai. p. 1125-1129. [1. Dez.]
- Ludewig, Paul. Die Messung vertikaler Luftströmungen. p. 1162-1167. [8. Dez.]
- Physikalische Zeitschrift. Leipzig. 13. Jahrgang. 1. Januar 1912.*
- Bergwitz, K[arl]. Die Registrierung des atmosphärischen Potentialgefälles mit Hilfe des Einfaden- und Zweifaden-Elektrometers nach Wulf. p. 28-30.
- Prometheus. Berlin. Jahrgang 23. 20. Januar 1912.*
- Dieckmann, Max. Das Laboratorium auf dem Luftschiff Schwaben. p. 241-248. [Describes installation on the airship "Schwaben" for studying atmospheric electricity and wireless telegraphy.]
- Zeitschrift für Balneologie. Berlin. 4. Jahrgang. 1912.*
- Zuntz, N[athan]. Beiträge zur Physiologie der Klimawirkungen. I. Allgemeine Gesichtspunkte. p. 523-525. [1. Jan.]
- Planta, A. von. Über den Einfluss des Höhenklimas auf den Ernährungszustand. p. 538-539. [1. Jan.]
- Berliner, Bernh. & Müller, Franz. Beiträge zur Physiologie der Klimawirkungen. II. Vergleichende meteorologische Beobachtungen am Strand und an der Binnenseite des Dünenwaldes in einem Ostseebade. Erste Mitt. p. 551-558. [15. Jan.]